



HOT WATER COIL PIPING DETAIL

(ON/OFF FLOW THROUGH COIL, FAIL TO FULL HEAT)

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 9 FOR PNEUMATIC CONTROL DIAGRAM.
2. SEE SHEET 10 FOR STACKED COIL PIPING.
3. SEE SHEET 11 FOR DESIGN NOTES.
4. APPLICATION: OUTSIDE AIR PREHEAT COIL (MODULATING FACE & BYPASS).

DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
(REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE).

KEYED NOTES:

1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS:
A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
6. INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION NOTED ON COIL.

1	6-14-03	U	REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED STRAINER & KEYED NOTE 6. REVISED CONTROL VALVE & DWG NO. WAS ST6121.	RP	AB	JM	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
				FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES				
ENGINEERING STANDARDS MANUAL				DRAWN: R. PEARSON DESIGN: A. BRIDGE CHECKED: G. GREWAL DATE: 6-28-01				
BLDG X SUBMITTED: DISCIPLINE: POC: GURINDER GREWAL				TA-X APPROVED FOR RELEASE: STANDARDS MANAGER: TOBIN ORUCH				
				SHEET: 8 OF 11 DATE: 6-28-01				
CLASSIFICATION: U PROJECT ID:				REVIEWER: LARRY BAYS DRAWING NO:				
CHAPTER 6				ST-D30GEN-2				
REV: 1								